



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBE105-14101W2-PO
Job Sheet 188770



Part No: RBE105-14101W2-PO

Job Qty: 3 pcs

Part Name: Outer Needle Bearings Extractor



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/15/19

Job Tracking No:

Due Date: 3/12/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBE105-14101W2 Rev.1 IPP Rev. A 18.10.22 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	3 pcs	3/12/19		0.00	0.00	Purchasing - 1		MAR 08 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	3 pcs	3/12/19		0.00	0.00	Packaging 2 - 1 - B4B		MAR 08 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		
							Packaging 2 - 28 - B4B		



Dart Aerospace Ltd.
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Container No: S160796



Part: RBE105-14101W2

Job No: 188770

Serial No/Batch: S160796

Revision: 1

Inspector:

Exp Date:

Instructions:

Date: 03/08/19

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	3 pcs	3/12/19	0.00 0.00	QC 6 - 38
					QC 6 - 42
					QC 6 - 9
					QC 6 - 68
					QC 6 - 61
130	Packaging 3-1 - Stock - B4B	3 pcs	3/12/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
140	QC 21 - FG	3 pcs	3/12/19	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70

DAS

MAR 15 2019 68

9-89

DAS

28

9-89

DAS

21

9-89

MAR 25 2019

Part Op 100 - (Purchasing) Issue P/O: 042277 MANUFACTURE RBE105-14101W2 AS PER DWG Supplier: METEC
 Descriptions: Certificate of conformity is required
 110 - (Receive & Inspect for Damage & Mat'l Certs)
 120 - (QC6- All purchased or subcontracted products)
 130 - (Identify as per dwg & Stock Location: _____)
 140 - (QC21- Final Inspection - Work Order Release)

Arrow
TECH.

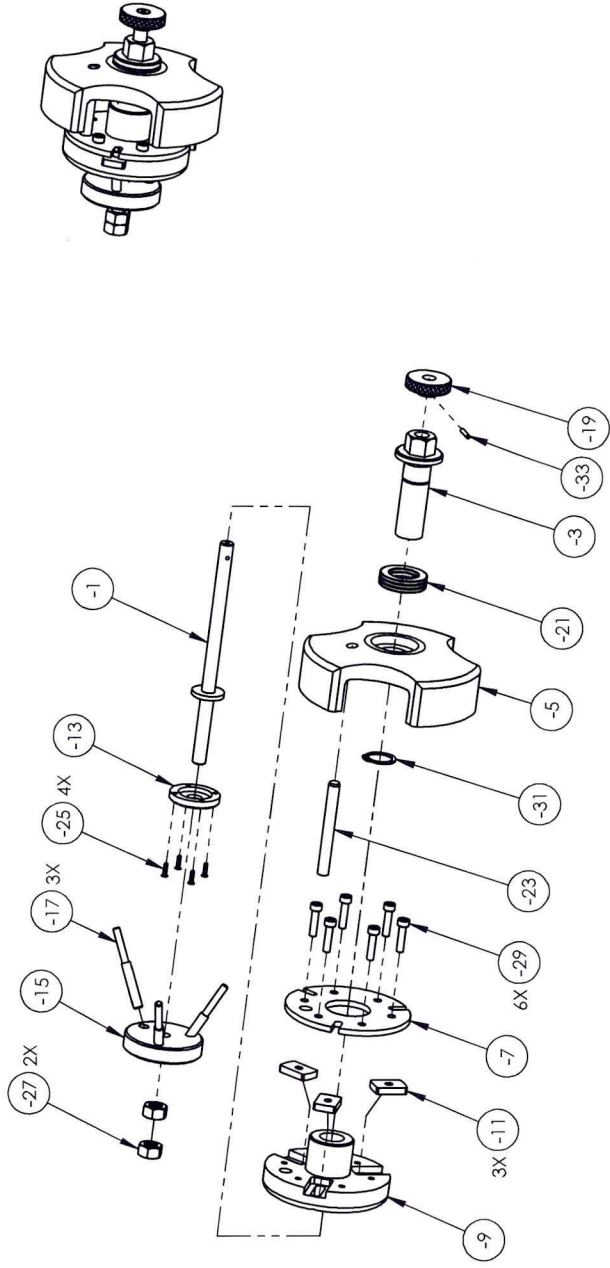
x3 pulh 15 Jan 2019

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
RBE105-14101W2P	Outer Needle Bearings Extractor	3 Ea (1 ea)	100-Purchasing	5160795
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBE105-14101W2P	3	0	0
Part Specifications				
Specifications could not be found.				

Plex 1/15/19 11:32 AM dart.Lussier.Patrick

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REV		ECR	REVISIONS		DATE	INITIAL	APPROVED
1			RELEASED FOR PRODUCTION		1/21/2016	DFD	JAG



NOTE:
REF. EUROCOPTER T/N: 105-14101W2.



TITLE
EXTRACTOR FOR OUTER NEEDLE BEARING

ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		-1	1	BCOLT	4140/4142 Q & T		2
		-3	1	BCOLT WITH THRU HOLE	4140/4142 Q & T		3
		-5	1	DNK	6061		4
		-7	1	PIN PLATE COVER	4140/4142 Q & T		5
		-9	1	PIN PLATE BASE	4140/4142 Q & T		6
		-11	3	PLATE	4140/4142		7
		-13	1	CAP	6061		8
		-15	1	PIN BASE	4140/4142		9
		-17	3	PIN	Co-1		10
		-19	1	THRUST BALL BEARING	6061		11
	B/O	-21	1	DOWEL PIN	STEEL	Ø12mm I.D. X Ø.42mm O.D. X 11mm. (S/E #51105)	1
	B/O	-23	1	FLAT HEAD SCREW	STEEL	Ø10mm X 9mm. (MCMMASTER-CARR #91595A423)	1
	B/O	-25	4	FLAT HEAD SCREW	STEEL	M3 X Ø.5 X 12mm. (MCMMASTER-CARR #91420A122)	1
	B/O	-27	2	LEFT HAND HEX NUT	STEEL	M12 X 1.75. (MCMMASTER-CARR #93895A190)	1
	B/O	-29	6	SOCKET HEAD CAP SCREW	STEEL	M6 X 1 X 25mm. (MCMMASTER-CARR #95634561)	1
	B/O	-31	1	EXTERNAL RETAINING RING	STEEL	Ø24mm. (MCMMASTER-CARR #96541A125)	1
	B/O	-33	1	SPRING PIN	STEEL	M3 X 18mm. (MCMMASTER-CARR #91611A158)	1

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

XXX ±.005 FRACTIONS

XX ±.01

XX ±.01 SURFACES = 125

1. BREAK ALL SHARP EDGES

2. DIMENSIONAL LIMITS APPLY AFTER PLATING

3. TOLERANCES AND TOL PER ASME Y14.5M-2009

USED ON MODEL

DRAWN BY: DUERFELDT

CHECKED: CLOUGH

OPPS APPR: ANDERSON

QA APPR: LINDSAY

APPROVED: GILBERT

EC145

SCALE 1:5

DATE 1/21/2016

SHEET 1 OF 11

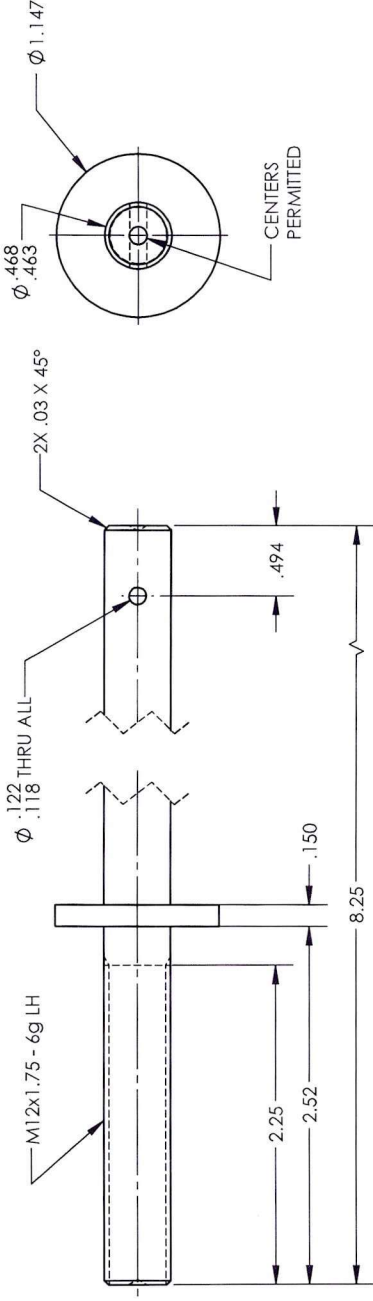
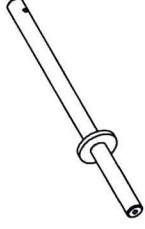
DWG NO. RBE105-14101W2

REV 1

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REV ECR DESCRIPTION

REVISIONS DATE INITIAL APPROVED



TITLE
EXTRACTOR FOR OUTER NEEDLE BEARING

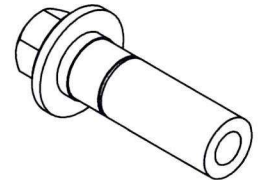
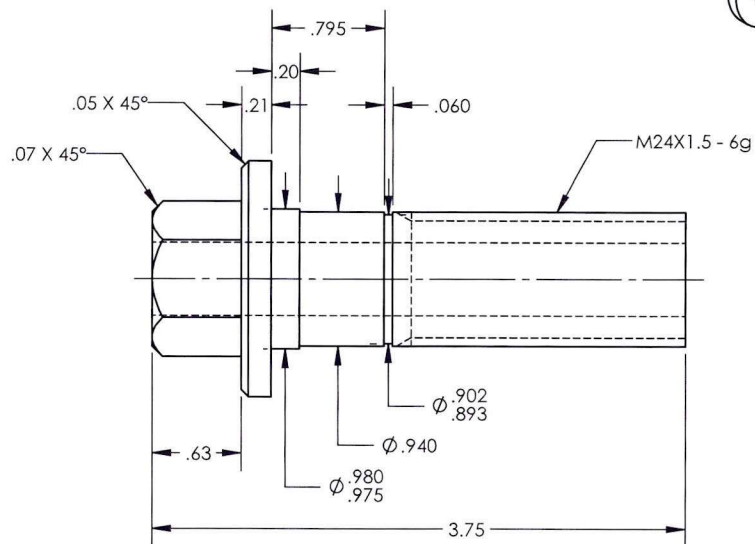
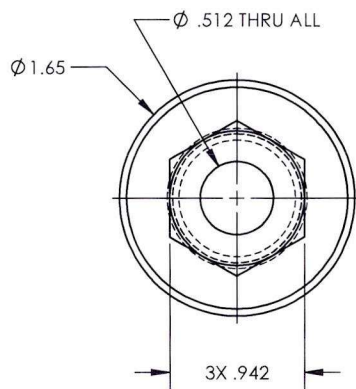
DWG NO.	RBE105-14101W2-1	REV	1
MAT'L	4140/4142 Q & T	UNLESS OTHERWISE SPECIFIED	
HEAT	TREAT	DIMENSIONS ARE IN INCHES	
FINISH	ZINC PLATE	XXX $\pm .005$ FROM SURFACES	
SPEC	ASTM B533 TYPE I SC 2	XX $\pm .01$ ANGLES $\pm 5^\circ$	
DRAWN BY:	CLOUGH	X $\pm .1$ SURFACES $\pm 15^\circ$	
CHECKED:	CLOUGH	1. BREAK ALL SHARP EDGES	
OPPS APPR:	ANDERSON	2. DIMENSIONAL LIMITS APPLY	
QA APPR:	LINDSAY	3. AFTER PLATING AND TOL PER	
APPROVED:	GILBERT	ASME Y14.5M-2009	
		USED ON MODEL	
		EC145	
SCALE	1:1	DATE	12/30/2015
			SHEET 2 OF 11

(-1)

BOLT

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

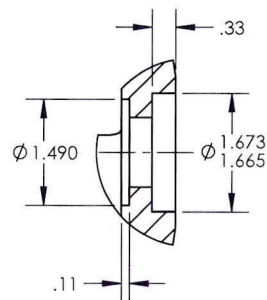
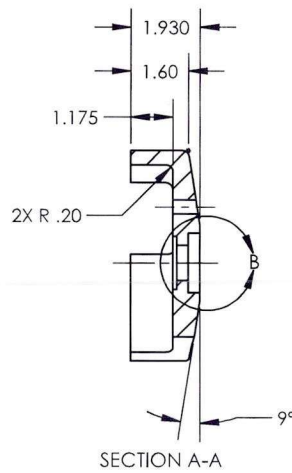
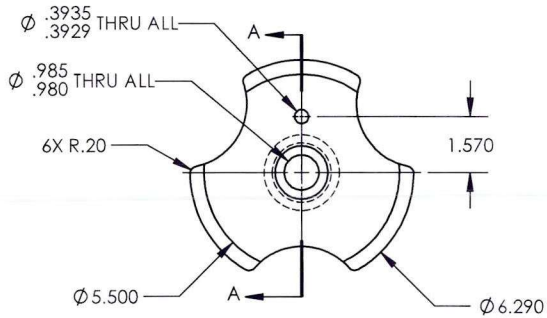


(-3)
BOLT WITH THRU HOLE

DART AEROSPACE	
TITLE EXTRACTOR FOR OUTER NEEDLE BEARING	
DWG NO. RBE105-14101W2-3	REV 1
MAT'L 4140/4142 Q & T	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .006 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 X 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	EC145
SCALE 1:1	DATE 1/21/2016
	SHEET 3 OF 11

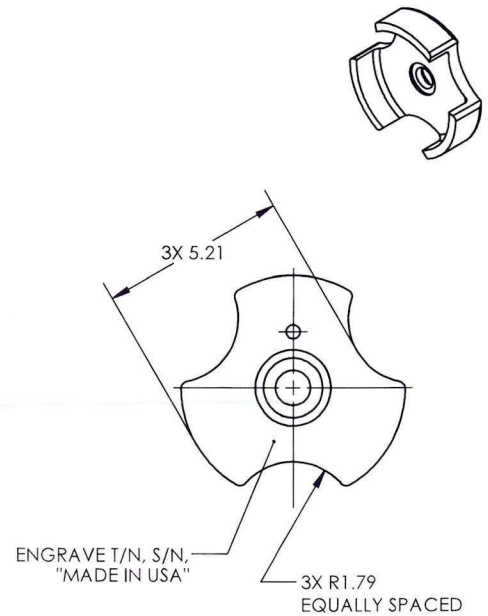
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				APPROVED



DETAIL B
SCALE 1 : 2

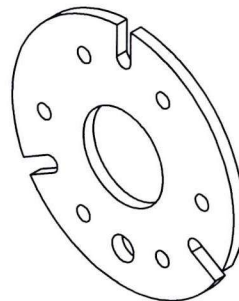
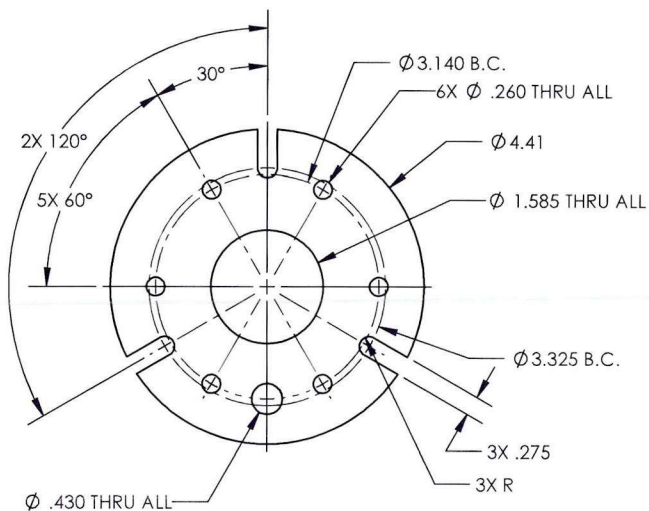
⑤
DISK



DART AEROSPACE	
TITLE EXTRACTOR FOR OUTER NEEDLE BEARING	
DWG NO. RBE105-14101W2-5	REV 1
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX ± .005 FRACTIONS ± 1/8
SPEC MIL-A-8625 TYPE II, CLASS I	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER
QA APPR: LINDSAY	ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL
	EC145
SCALE 1:4	DATE 12/30/2015
	SHEET 4 OF 11

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL

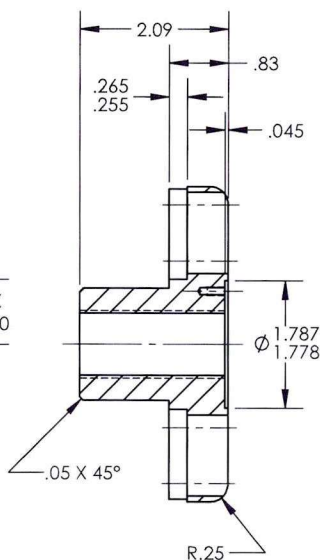
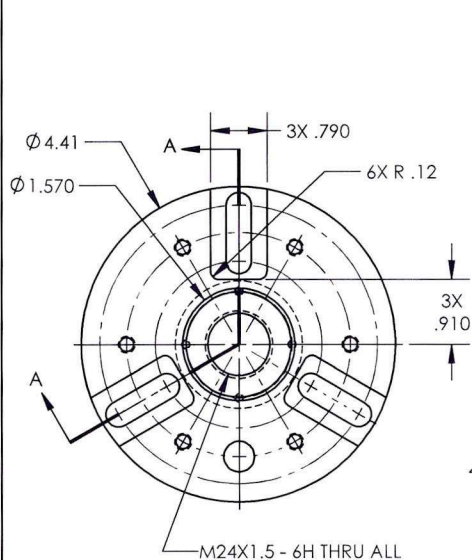


(-7)
PIN PLATE COVER

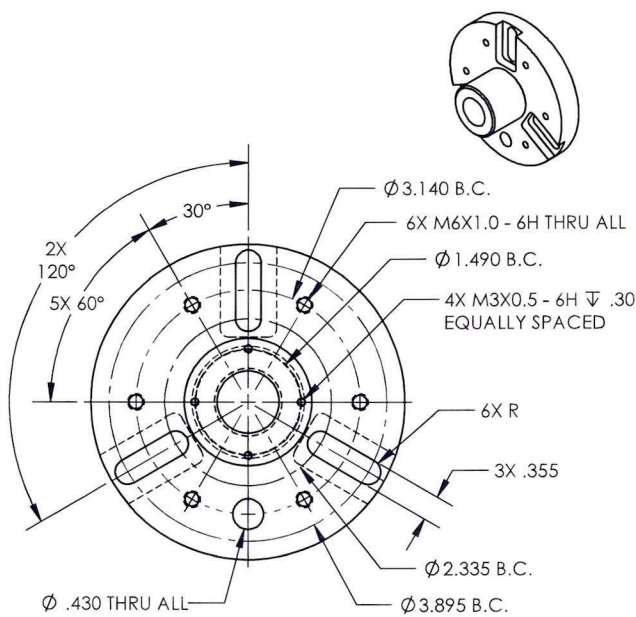
DART AEROSPACE	
TITLE EXTRACTOR FOR OUTER NEEDLE BEARING	
DWG NO. RBE105-14101W2-7	REV 1
MAT'L 4140/4142 Q & T	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
REAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± .5°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL
SCALE 1:2	EC145
DATE 1/21/2016	SHEET 5 OF 11

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				APPROVED



SECTION A-A

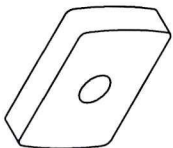
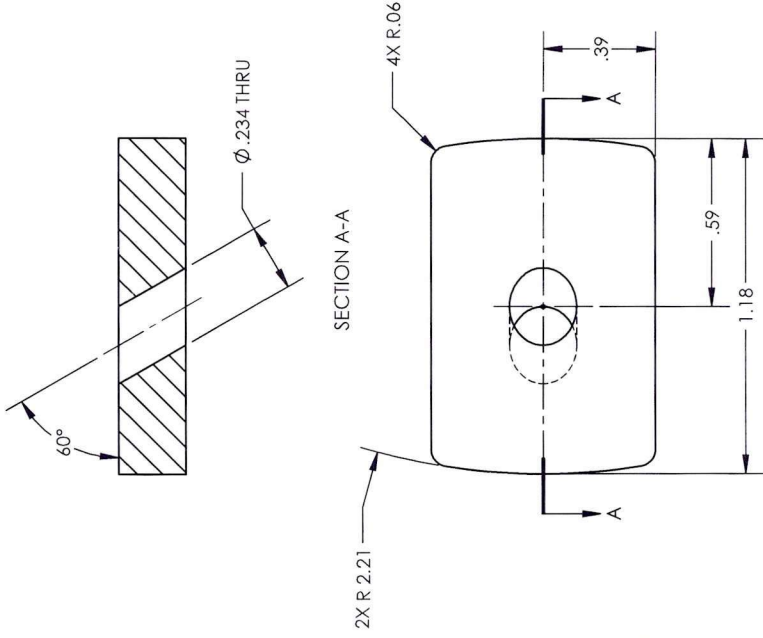


-9
PIN PLATE BASE

DART AEROSPACE	
TITLE EXTRACTOR FOR OUTER NEEDLE BEARING	
DWG NO. RBE105-14101W2-9	REV 1
MAT'L 4140/4142 Q & T HEAT TREAT FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX $\pm$.005 FRACTIONS $\pm$ 1/8 .XX $\pm$.01 ANGLES $\pm$ 5° .X $\pm$.1 SURFACES = 125	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT CHECKED: CLOUGH OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL EC145	
SCALE 1:2	DATE 1/21/2016 SHEET 6 OF 11

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REV		ECR	REVISIONS		DATE	INITIAL	APPROVED
REV		ECR	DESCRIPTION		DATE	INITIAL	APPROVED



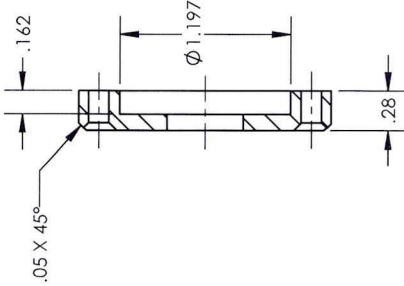
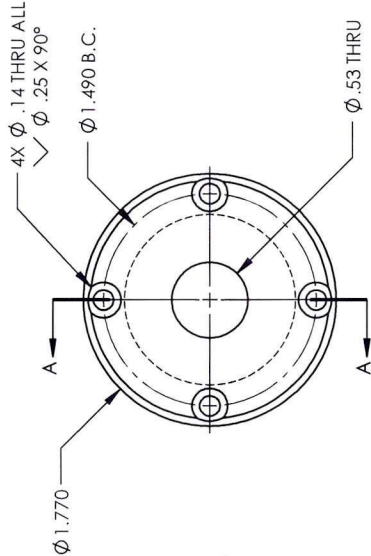
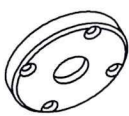
TITLE		RBE105-14101W2-11		REV	1
EXTRACTOR FOR OUTER NEEDLE BEARING					
DWG NO.					
MAT'L 4140/4142		UNLESS OTHERWISE SPECIFIED			
HEAT HRC 40-45		DIMENSIONS ARE IN INCHES			
TOLER ±.005		XXX ±.005 FROM CENTER			
FINISH ZINC PLATE		.XX ±.01 ANGLES ±5°			
SPEC ASTM B533 TYPE I SC 2		SURFACES = 125/			
DRAWN BY: CLOUGH		1. BREAK ALL SHARP EDGES			
CHECKED: CLOUGH		2. DIMENSIONAL LIMITS APPLY			
OPPS APPR: ANDERSON		3. AFTER PLATING			
QA APPR: LINDSAY		3. AFTER PLATING AND TOL PER			
APPROVED: GILBERT		ASME Y14.5M-2009			
		USED ON MODEL			
		EC145			
SCALE 2:1	DATE 12/31/2015	SHEET 7 OF 11			

(-11)

PLATE

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REV		ECR	REVISIONS		DESCRIPTION	DATE	INITIAL	APPROVED



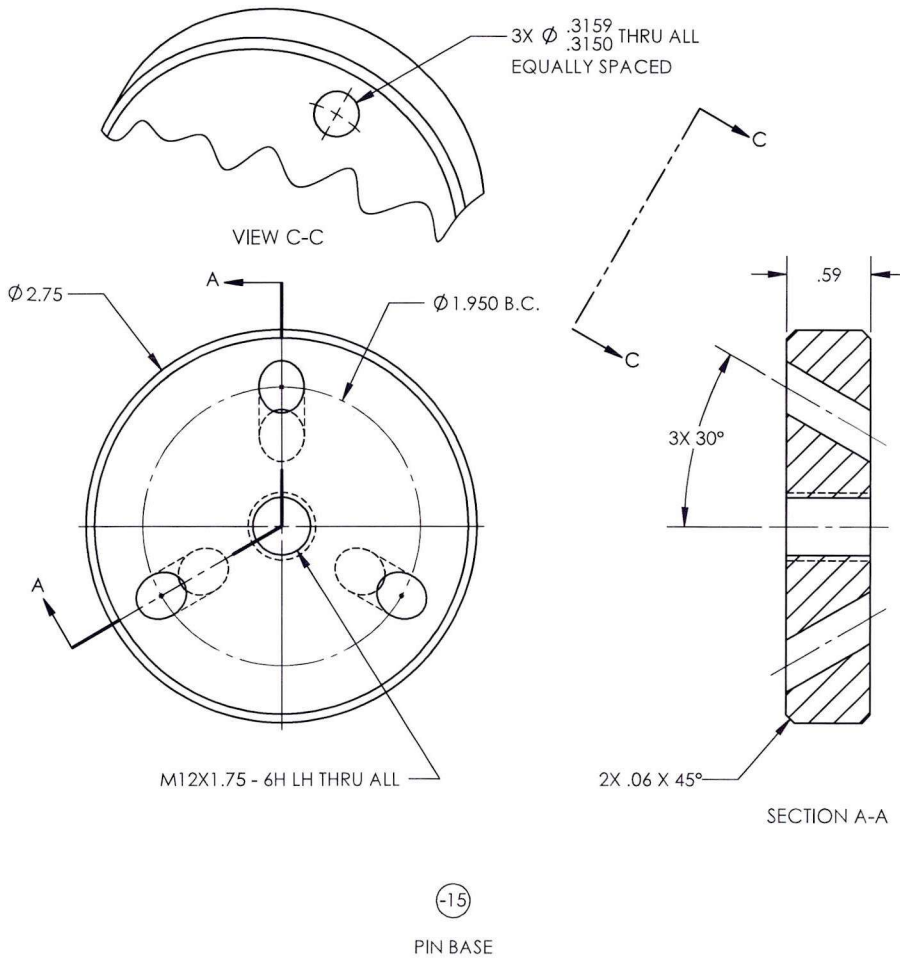
SECTION A-A



TITLE	
EXTRACTOR FOR OUTER NEEDLE BEARING	
DWG NO.	RBE105-14101W2-13
REV	1
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
XXY ± .005	FRAGMENTS
XX ± .01	ANGLES ± 5°
XX ± .1	SURFACES = 125/
SPEC MIL-A-8625 TYPE II CLASS I	1. BREAK ALL SHARP EDGES
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY
CHECKED: CLOUGH	3. AFTER PLATING
QPS APPR: ANDERSON	4. INTERFERENCES AND TOL PER
QA APPR: LINDSAY	ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL
SCALE	1:1
DATE	12/31/2015
EC145	
SHEET 8 OF 11	

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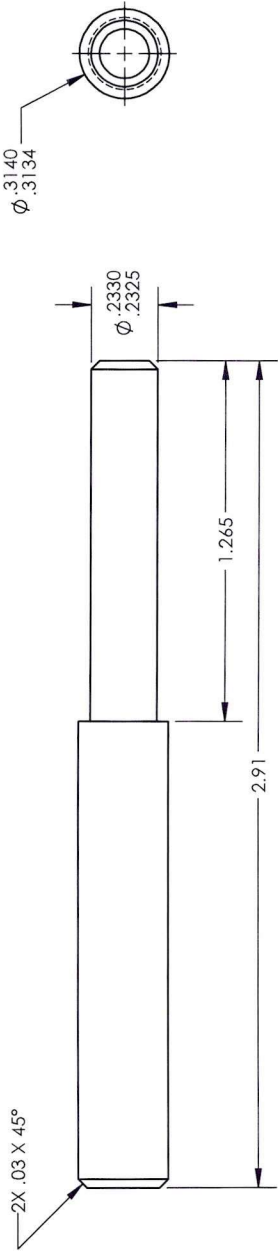
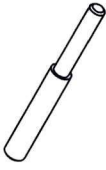
REVISIONS			
REV	ECR	DESCRIPTION	DATE INITIAL APPROVED



TITLE		
EXTRACTOR FOR OUTER NEEDLE BEARING		
DWG NO.	RBE105-14101W2-15	REV 1
MAT'L	4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT	RC 40-45	DIMENSIONS ARE IN INCHES
FINISH	ZINC PLATE	.XXX $\pm$.005 FRACTIONS $\pm$ 1/8
SPEC	ASTM B633 TYPE I SC 2	.XX $\pm$.01 ANGLES $\pm$ 5°
DRAWN BY:	DUERFELDT	.X $\pm$.1 SURFACES = 125
CHECKED:	CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR:	ANDERSON	.015 x 45° OR .015R
QA APPR:	LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED:	GILBERT	AFTER PLATING
SCALE	1:1	3. INTERPRET DIM AND TOL PER ASME Y14.6M-2009
DATE	1/21/2016	USED ON MODEL
		EC145
		SHEET 9 OF 11

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REVISIONS		DATE		INITIAL		APPROVED	
REV	ECR	DESCRIPTION					



TITLE
EXTRACTOR FOR OUTER NEEDLE BEARING

DWG NO. RBE105-14101W2-17

REV
1

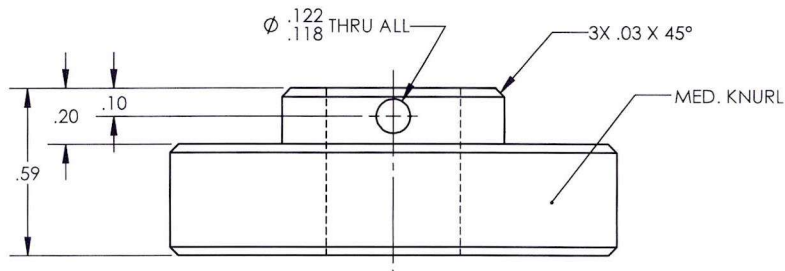
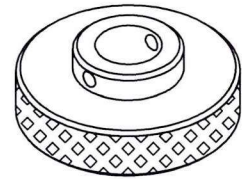
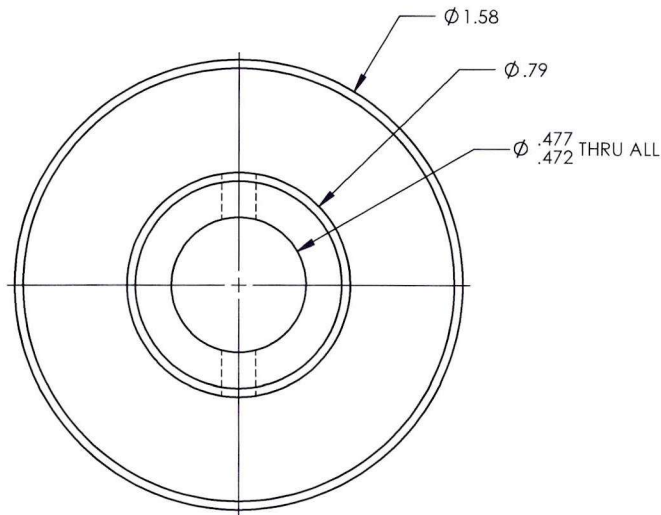
MAT'L	Q-1	UNLESS OTHERWISE SPECIFIED	
FINISH	HRC 50-55	DIMENSIONS ARE IN INCHES	
FINISH	ZINC PLATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	
SPEC	ASTM B633 TYPE I SC 2	XXX	± .005
DRAWN BY:	CLOUGH	XX	± .01
CHECKED:	CLOUGH	X	± .1
QPS APPR:	ANDERSON	1. BREAK ALL SHARP EDGES	
QA APPR:	LINDSAY	2. DIMENSIONAL LIMITS APPLY	
APPROVED:	GILBERT	3. AFTER PLATING	
SCALE	2:1	ASME Y14.5M-2009	
DATE	12/30/2015	USED ON MODEL	
PIN		EC145	
		SHEET 10 OF 11	

-17

PIN

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-19)
KNURLED KNOB

DART AEROSPACE	
TITLE EXTRACTOR FOR OUTER NEEDLE BEARING	
DWG NO. RBE105-14101W2-19	REV 1
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX ± .006 FRACTIONS ± 1/8
SPEC MIL-A-8625, TYPE II, CLASS I	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2003
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC145
SCALE 2:1	DATE 1/21/2016
SHEET 11 OF 11	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042277**



Supplier: ARR002-VU
Arrow Tech Machine Works
29751 E. Enid Road,
Unit C
Eugene, OR 97402 USA
Phone: 541-780-6938
Fax: 458-215-4938

PO No: PO042277
PO Date: 1/15/19
Due Date: 3/12/19

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Phone:

Ship To:

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	188770	RBE105-14101W2P			Outer Needle Bearings Extractor REV 1	Firmed	-	3/12/19	3 Ea	0 Ea	3 Ea	\$2,750.00/Ea	\$8,250.00
Grand Total:													\$8,250.00

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT



RECEIVED

01/15/19 G.E.

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/15/19 11:38 AM dart.Lussier.Patrick



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042277



Supplier: ARR002-VU
Arrow Tech Machine Works
29751 E. Enid Road,
Unit C
Eugene, OR 97402 USA
Phone: 541-780-6938
Fax: 458-215-4938

PO No: PO042277
PO Date: 1/15/19
Due Date: 3/12/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To:

Pymt Terms: Net 30
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Special Comments:

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Grand Total: \$8,250.00													

Order Notes

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Plex 1/15/19 11:38 AM dart.Lussier.Patrick



**PHGE Machineworks dba
Arrowtech Machineworks**
29751 E Enid Rd. Unit C
Eugene, Oregon 97402
Phone: (541) 780-6938
Fax: (458) 215-4938

Packing Slip

NO. 456

Date: 3/7/2019 ✓
PO Ref: 042277 ✓
Ship via: Fedex Priority

Bill To:
Dart Aerospace
1270 Aberdeen St. Hawkesbury, ON
CANADA K6A 1K7

Ship To:
Dart Aerospace
1271 Aberdeen St. Hawkesbury, ON
CANADA K6A 1K8

Qty

3 ✓

Item

OUTER NEEDLE BEARINGS EXTRACTOR

Part No.

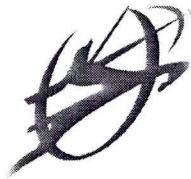
✓ RBE105-14101W2

Received by: _____

Packaged by: _____

Checked by: *MP* _____

Thank You



ARROW TECH MACHINE WORKS

Certificate of Conformance

Your Purchase Order No: 042277 ✓ Dated: 3/7/2019

Our Order / Job No: 042277-AWT Order Qty: 3 ✓

Part Name: EXTRACTOR FOR OUTER NEEDLE BEARING

Part Number RBE105-14101W2 ✓

Lot Size: N/A Ship Date: 3/7/2019

We certify that these parts shipped to you are of domestic or international manufacture and conform to all requirements of the Purchase Order. These parts have been manufactured and inspected in accordance with all required specifications, instructions and drawings. Any applicable specifications are listed below:

Drawing Number: RBE105-14101W2 Rev: 1

Material Size and Type: -1,-3,-7,-9/4140 Q&T; -5,-13/6061 ALUM.; -11, -15/ 4140 STEEL.; -17/O1

Material Specifications: STEEL: ASTM A108, ASTM A29; ALUM.: ASTM B221

Heat Treatment:-11,/ 44.0-44.5 HRC; -15/ 45.0-45.0 HRC;-17/ 50.0-50.0 HRC

Plating/Finish: ZINC PLATE: ASTM B633 TYPE 1 SC 2; CLEAR ANODIZE: MIL-A-8625, TYPE II, CLASS I

Mercury Contamination: The material used to process this order has not come in contact with mercury or mercury bearing instruments.

Date: 3/7/19

Signed: Hernan M. Falc

DAS
68
9-89

PHGE Machine Works LLC dba Arrow Tech Machine Works
29751 E. Enid Rd. Unit C Eugene, Oregon 97402
Main: (541) 780-6938 | Fax: (458) 215-4938
www.atechmachineworks.com